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University goal: improve services, reduce costs

What do Washington University's commuter student adviser program, expanded shuttle service and April Welcome program have in common? They are a few of the new initiatives suggested by the year-old University Management Team.

The University Management Team, made up of about 75 managers from the central administration, also called the Central Fiscal Unit (CFU), and deans from the schools, meets in Simon Hall twice a month early Monday mornings. The group's mission is to find better ways of working together to serve Washington University and its students, faculty and staff and to do so at a lower cost.

In other words, the team is looking for ways to do better with less. Washington University costs, like those at other major research institutions, rose dramatically in the 1980s, but were matched by increased revenue. In the 1990s, however, economists predict costs will continue to rise but revenue is likely to grow much more slowly

due to anticipated declines in federal funding for indirect costs of research, in health care revenue at the medical center, in federal student aid, and in the rate of increase for tuition, room and board.

At the same time, students and parents expect better programs, more effective teaching and more financial aid. The faculty need more support for scholarly activities and research. And both groups rely on increased use of technology and better facilities.

Fiscal challenges are facing many higher education institutions. Stanford University recently announced \$18 to \$20 million in budget cuts over the next three years. This announcement came on the heels of a \$22 million cut in 1990 and \$43 million in cuts beginning in 1992. Yale University is struggling with an \$8.8 million deficit. Facing a possible \$87 million shortfall without corrective action, Columbia University is phasing out several programs.

Washington University as a whole has

not been in a deficit situation and department heads within the administration plan to keep it that way through sound fiscal management. These CFU department heads have been asked to show how they could reduce their total budgets for fiscal year 1995 by 5 percent while improving services and continuing to grant salary increases. The CFU's expense budget is expected to rise only 1.1 percent between fiscal years 1993 and 1994.

"The challenge before those of us responsible for Washington University is to maintain a very strong institution in a time when the external and internal environment is changing very rapidly," said Chancellor William H. Danforth. "This challenge is made more difficult by the fact that resources are limited."

The University depends on revenue generated from tuition and fees, federal funding for research, patient care, annual giving and income from the endowment. Economic and political forces are threaten-

ing all of these revenue sources. Patient care revenues are in flux with the anticipated implementation of the Clinton health-care plan. Government funding to support the indirect cost of research is tight. Facing a sluggish economy, families cannot absorb sharp tuition and fee increases, and higher education is competing for limited philanthropic resources.

"The challenge is to adapt as we restrain costs," Danforth said. "Thus, all areas are faced with the fact that the resources we add to meet new challenges will have to come from the resources already in use. We cannot restrain people's salaries and benefits, for if we did, we might lose our wonderful people. Nor can we ask people to work twice as fast or twice as long."

"The only paths open are either to stop doing some of the things we are doing or to simplify and streamline so that the necessary work can be done at less cost. Realistically, we shall have to pursue both courses."

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Lewis receives grant to study rain forest plants for medicines

As head of a collaborative research group, Walter H. Lewis, Ph.D., professor of biology, has been awarded a five-year, approximately \$2.5 million grant to explore the pharmaceutical properties of plant compounds in the Latin American rain forest.

Lewis heads one of five groups, which are part of a new interagency program called the International Cooperative Biodiversity Groups (ICBG). The program is funded by the National Institutes of Health (NIH), National Science Foundation (NSF) and the U.S. Agency for International Development (USAID).

The program awards grants to collaborative groups incorporating public institutions and pharmaceutical companies researching biodiversity conservation and the promotion of sustained economic activity through drug discovery from natural products. Support for the entire program will total approximately \$12.5 million over the next five years.

The Fogarty International Center, the international arm of the NIH, administers the program on behalf of the sponsoring agencies and serves as one of the lead contributors.

Projects include the selection and acquisition of natural resources as potential therapeutic agents for diseases in developed and developing countries, such as parasitic diseases, AIDS, cancer and heart disease. Other important components include the examination of traditional medicinal practices, development of long-term strategies to ensure sustainable har-

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Senior Jonathan Chen, a student assistant at the West Campus Library, shelves mining reference books. An opening celebration for the library is scheduled for Jan. 25. The library is located in the lower level of the former Famous-Barr building in Clayton.

West Campus Library completes move, sets dedication

Patrons who return to the basement of the former Famous-Barr department store in Clayton will find more than they bargained for. The building's lower level is now the site of Washington University's West Campus Library. Racks of clothing, a candy counter and kitchenwares have been replaced by five miles of shelving, brightly colored furniture and tens of thousands of books, journals and other library materials.

In preparation for the library's invitation-only dedication ceremony next Tuesday, Supervisor David Straight, his assistant, Francie Wendt, and five students have spent recent months unpacking volumes of volumes, bar-coding dissertations and assigning call numbers to art books. The opening ceremony will feature a reception with author Joyce Carol Oates.

"The West Campus Library has turned out to be an attractive and highly functional facility — the best of its kind that I've

seen," said Shirley Baker, dean of University libraries. The library, which is adjacent to a conference center and the International Writers Center, is designed to hold the University's older, lesser-used books.

Washington University acquired the Famous-Barr property three years ago and, after major renovations, started moving library materials into the lower level in mid-August. The building's upper levels, which still contain the carpeting, fixtures and mirrors of the old department store, could not bear the weight of the hundreds of thousands of books slated for the new facility.

The West Campus Library, across from the Ritz-Carlton Hotel at 7425 Forsyth Blvd., began operating in November but has kept a low profile until the material was delivered and organized.

"We have 50,000 volumes in here now," said Straight, former supervisor of the University library's audiovisual unit. "The

University library collection totals almost three million volumes. We expect to fill this facility in 12 to 15 years with 700,000 to 800,000 volumes. By then, the University library collection will be close to four million and we will hold a significant portion of that collection."

The 80,000-square-foot West Campus Library was designed to ease overcrowding at the University's other libraries. Books arrive daily from as near as Olin Library and as far away as a bunker at the Tyson Research Center in Eureka.

"Olin and some of the departmental libraries have reached capacity. Olin was built to hold 1.3 million volumes. Now there are 1.4 million volumes and it's growing every day," Straight said. "When you're at capacity, it's difficult to add things; you do a lot of shifting. At the Biology Library, for example, they were stacking books on the floors in the aisles between the shelves."

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Researchers have located the receptor for an ulcer-causing bacteria, which may lead to a new line of ulcer drugs

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Center for American Indian Studies Director Dana Klar addresses problems threatening her community

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Assembly Series announces this semester's speakers

Medical Update

Receptor found for ulcer-causing bacteria

Research that could pave the way for a new line of ulcer drugs and explain why ulcers are more common in persons with O blood type was reported recently in the journal Science.

The work, by a research team from the School of Medicine, is the first to identify the natural target receptor for the bacterium *Helicobacter pylori*, a pathogen that causes gastritis and ulcers and may lead to stomach cancer. The bacteria are able to gain a foothold by gripping carbohydrate structures that line the stomach, says lead author Thomas Borén, L.D.S., Ph.D., a National Institutes of Health Fogarty Fellow in Washington University's Department of Molecular Microbiology.

Studies revealed that the Lewis^b (Le^b) blood group antigen — a carbohydrate that defines blood type — mediates attachment of *H. pylori* to human cells. The Le^b antigen, which is found on red blood cells and stomach epithelial tissue and in breast milk and saliva, appears to be the prime target of *Helicobacter* attachment in the stomach, said Per Falk, M.D., Ph.D., a research instructor in the Department of Molecular Biology and Pharmacology and a member of the research team.

The work also proposes a molecular explanation for epidemiological data showing that ulcers are more common among people with type O blood. "Blood group O individuals have more receptors available for *Helicobacter* attachment than people with type A or type B blood," said Staffan Normark, M.D., Ph.D., a research professor of molecular microbiology.

The studies also found that human breast milk contains Le^b antigens that can act as natural "anti-adhesive" carbohydrates that interfere with *H. pylori* attachment to human cells. This finding could lead to a new line of ulcer drugs that disrupt the bacterium's ability to attach to cells in the stomach, Borén said.

Until 10 years ago, it was believed widely that ulcers were caused by excess acid secretion or due to stress. Now it is generally thought that almost all ulcers are caused by bacterial infection, with *H. pylori* being the main culprit. Researchers believe that the longer a person is infected with *H. pylori*, the greater the chance of developing ulcers and potentially fatal stomach cancer.

Many physicians now agree that *Helicobacter* infection must be treated early and aggressively. Currently, the most aggressive treatment consists of long-term therapy

with antibiotics and bismuth. But in addition to being expensive, antibiotics generally wipe out all the bacteria in the gut, and they can create resistant bacterial strains.

The intriguing observation that breast milk and saliva contain soluble carbohydrates that can prevent *Helicobacter* attachment has led Borén and his colleagues to develop anti-adhesive carbohydrates that may be the wave of the future in preventing and treating *Helicobacter* infection. Although further information is needed to develop clinically useful anti-adhesive compounds, Normark said he believes it will be possible to construct a carbohydrate that will bind *Helicobacter* with higher affinity than its natural receptor in the stomach. "Then it might be possible to put this carbohydrate in infant formula or baby food to prevent bacterial colonization," Borén said.

This would be especially useful in developing nations where the rate of *Helicobacter* infection is extremely high in young children and stomach cancer is much more common than in industrialized countries.

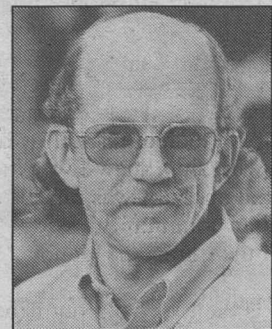
Symbicom, a Swedish pharmaceutical company that has partially funded Normark's research, is planning to develop these carbohydrate structures for clinical use.

— Jim Keeley

Waterston named head of genetics

Robert H. Waterston, M.D., Ph.D., has been named James S. McDonnell professor and head of the Department of Genetics at the School of Medicine, Chancellor William H. Danforth announced.

"Bob Waterston is an outstanding scientist and leader who has a great vision of the



Robert H. Waterston

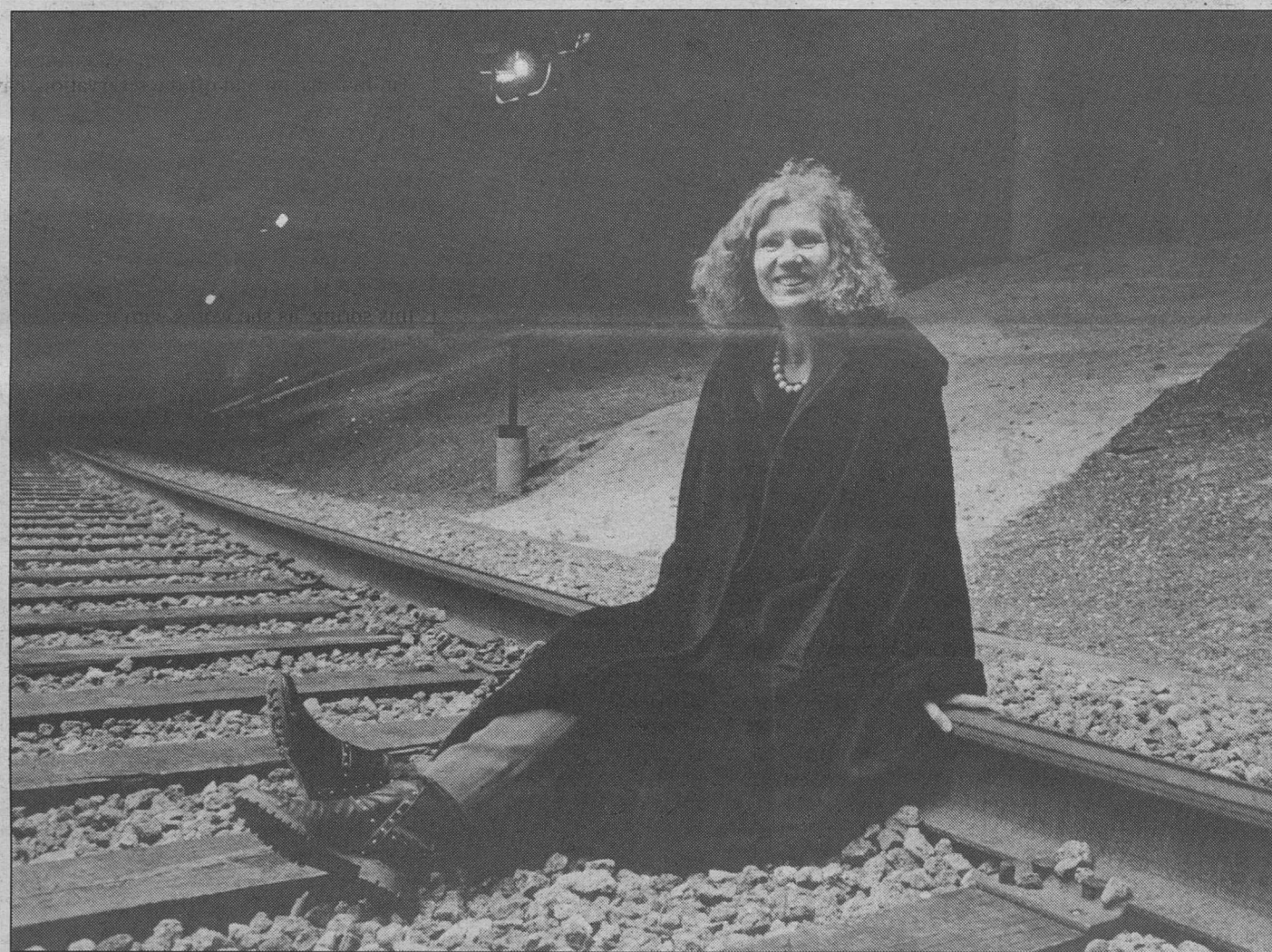
future of genetics," said William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine. "There is no area of medical science that has more important implications for health and I can think of no better person to head the Department of Genetics and occupy the McDonnell Chair."

The McDonnell Professorship in genetics was established in 1975 through gifts from the late James S. McDonnell and the McDonnell Foundation. McDonnell, who had a lifelong interest in genetics, also provided funds to establish Washington University's genetics department.

Waterston joined the medical school faculty in 1976 as an assistant professor of anatomy and neurobiology and joined the genetics department in 1980. His research focuses on muscle development and finding and sequencing genes of the nematode, *C. elegans*. This work, part of the larger international effort to map the human genome, also is considered by many to be crucial in further developing the tools and know-how to find and sequence the full complement of human genes. An associated goal of developing software and automation procedures to expedite DNA sequencing also is under way.

Waterston came to Washington University after a postdoctoral fellowship in the Division of Cell Biology at the Medical Research Council Laboratory of Molecular Biology in Cambridge, England. Prior to that, he had been an intern in pediatric medicine at Children's Hospital Medical Center in Boston.

He completed his undergraduate work in 1965 at Princeton University. In 1972, Waterston received both his M.D. and Ph.D. from the University of Chicago.



San Francisco artist Anna Valentina Murch sits in front of her crushed colored-glass project, which is part of MetroLink's Arts in Transit right-of-way master plan. The project, which runs along MetroLink beneath the Washington University Medical Center, was funded by a medical center grant, with technical support from the Bi-State Development Agency.

Sutters endow chair in occupational medicine

Richard A. Sutter, M.D., a well-known pioneer of occupational medicine in Missouri, and his wife, Elizabeth Henby Sutter, have given \$1 million to the School of Medicine to establish an endowed chair to support the study and treatment of work-related injuries and illnesses.

Chancellor William H. Danforth announced the establishment of the new chair.

"The new endowment is not the first time the Sutters have given generously to the School of Medicine," said Danforth, referring to a visiting professorship the couple established in 1985. "Dr. Sutter has pioneered the field of occupational medicine. It is fitting that they should lead in establishing this chair at Washington University."

The first incumbent of the Sutter chair in Occupational, Industrial and Environmental Medicine will be Washington University alumnus Bradley Evanoff, M.D. Evanoff is an instructor in the Occupational and Environmental Medicine Program at the Univer-

sity of Washington in Seattle. In his new appointment, he will be promoted to assistant professor of medicine and will head the newly formed Section of Occupational and Industrial Medicine within the Division of General Internal Medicine.

The Sutters are 1931 graduates of Washington University's College of Arts and Sciences. Richard Sutter went on to earn his medical degree from the School of Medicine in 1935.

The establishment of an endowed chair in occupational medicine will help improve the training of medical students and residents in diagnosing and treating work-related injuries and illnesses, said William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine.

In his new post, Evanoff plans to establish research activities in occupational medicine that will focus on work-related musculoskeletal diseases, such as back pain

and upper-extremity cumulative trauma disorders. Evanoff said he also plans to establish an outpatient diagnostic and referral clinic specializing in occupational medicine. He also will teach residents and medical students the basic principles of evaluating and treating work-related diseases.

Evanoff earned his medical degree from Washington University School of Medicine in 1986 and served his residency in internal medicine at Barnes Hospital. In 1993, Evanoff earned a master's degree in public health from the University of Washington in Seattle. From 1990 to 1991, he served as a visiting researcher at the Swedish National Institute of Occupational Health and the Department of Occupational Health, Karolinska Hospital in Stockholm, Sweden. From 1991 to 1993, Evanoff was a fellow with the Robert Wood Johnson Clinical Scholars Program and the Occupational and Environmental Medicine Program at the University of Washington in Seattle.

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Washington
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Klar embraces American Indian heritage

As Dana Wilson Klar discusses her mission as director of the Center for American Indian Studies at the George Warren Brown School of Social Work, she uses a vivid metaphor to sum up how many American Indians have come to think of themselves in today's world.

"What Indians call their children of this generation is 'Stuck on the Horizon,'" says Klar, "because they are not really part of the land or part of the sky, because they must walk in two worlds. For those children there is a lot of turmoil."

Klar — no stranger to that turmoil — has walked in both worlds. "Growing up I knew I was Indian and I was very proud to be Indian, but I was raised away from the Indian community," said Klar, a member of the Louisiana Houma Indian nation.

"My mother was the first from our tribe to get a high school degree. She was the first to get a college degree and she also went on to get a master's degree, so she was very accomplished for our tribe. She saw the need to keep us away from her people because she was worried about the peer pressure. Our tribe had about an 80 percent high school dropout rate and a very high teen pregnancy rate. She wanted to raise us away from that sort of influence."

Klar's mother, Eva Underwood, knew well the challenges of growing up in the Indian community. In the 1940s and '50s, Indian children were not welcome in schools for whites or blacks in Louisiana. With the help of a Methodist missionary, Klar's mother attended high school in Atlanta and a Methodist college in Missouri. She married a classmate of Irish-English descent, who, like her, became a teacher. The couple divorced when Klar was young.

Klar and her brother were raised in a small Louisiana town about two hours from the Houma community. Despite her mother's concerns, she and Klar spent many summers with Houma relatives.

"I remember it being very impoverished and I remember a lot of people dying very young," Klar said. "I had an aunt who died in her late 20s from liver cancer, and it was due in part to drinking. She left five children. I remember a lot of the pain around that."

In the end, neither Klar nor her mother could turn away from their Indian community.

Klar's mother retired from teaching and returned to direct the community center serving the Houma Indians. Following her mother's inspiration, Klar now directs a program whose mission is to help American Indians attend Washington University and gain the graduate education necessary to lead the social agencies and educational institutions that serve American Indians.

"We have graduated nine American Indian students and they are now working with Indian communities in various capacities," Klar said. "It's tremendously rewarding to see these nine individuals gain a master's degree and have the opportunity to make an impact on the Indian community."

Established in 1990, the Center for American Indian Studies is the nation's only full-fledged American Indian studies center based in a social work school. American Indians in the program take the same core courses as other social work students, as well as courses on American Indian heritage, cultural assimilation, minority families and government policies toward American Indians.

Klar teaches several courses and brings in visiting faculty with American Indian expertise. The program attracts about three or four new American Indian students each year, all of whom must do a field project with an urban, tribal or governmental agency serving American Indians, either in St. Louis or on a reservation.

Klar's own interest in working with the American Indian community led her to enroll in a five-year combined undergraduate psychology and master of social work program at Louisiana State University in Baton Rouge. In her fourth year, a professor suggested law school.

"He noticed how I did my papers on the Indian community, how I brought my mother in to speak to the class, how I was interested in social justice and services to Indian communities," Klar said. "He pulled me aside and told me I would be able to do more for the Indian population if I also got a law degree."

This nudge brought Klar to Washington University, then one of a half dozen schools offering joint degrees in law and social work. She finished her bachelor's degree at Louisiana and began the next semester at

Washington University, graduating in 1989 with a juris doctorate and a master's of social work.

When the George Warren Brown School began developing plans for the American Indian center in 1990, it sought the advice of recent American Indian alumni. Klar, still in St. Louis, had married a local lawyer she met in law school and taken a job in human resources management at Southwestern Bell. Eventually, she was asked to direct the center, an offer she quickly accepted.

"I didn't feel as though I was really helping people in my corporate job. I was pushing papers around," she said. "I'd had some federal Indian dollars to help pay my way through school and I always wanted to return that some-

in people's attitudes toward Indians and we're opening some lines of communication, not only on this campus but in the community as well."

The center's third annual American Indian Awareness Week will begin March 21 and culminate with an American Indian Pow Wow celebration on March 26. The free-admission Pow Wows are offered to the campus and surrounding communities as an opportunity to experience and learn about the sacred ceremonial traditions of American Indian culture.

"We expect to have Indian dancers from at least six or seven neighboring states and we've invited chiefs from two of the largest Indian nations," Klar said.

Klar also reaches the community as co-host of an American Indian talk show and cultural awareness program, which airs Sunday mornings on local radio station KRJY-FM96. She also serves on the board of the American Indian Center of Mid-America, a service organization for the region's urban American Indian population. She and her husband, Brian, often provide pro-bono legal assistance to the American Indian community.

"I've always been a social worker at heart," Klar said. "The law degree is an added bonus. It does help me have more respect, especially in working with lawyers, working with the business community or other people in a position to assist minorities."

Klar is quick to emphasize that American Indians, on and off the reservation, have a great need for social work assistance.

"Indian people have a 438 percent greater rate of alcoholism than the general population," Klar said. "Our suicide rate is 270 percent higher and the teen pregnancy problem is enormous. Poverty and unemployment are widespread."

Klar will study these problems in detail this spring, as she works with the federal Indian Health Service to survey social workers in tribal communities. The research will help ensure that the center's social work curriculum is preparing American Indian students for problems they will face in the field.

Klar, who also co-teaches a social work course on human diversity, said that the American Indian community has its own share of prejudice.

"In a lot of communities, it's vital to be Indian to work with them and to gain their respect," Klar said. "But it can be very difficult for students to return immediately to their own communities. Some Indians have this idea that because you went away and you went to the white schools, that now you're white. We have a term like 'oreo' in the black community. Ours is 'apple'—white on the inside."

Klar attributes this distrust of education among American Indians to the fact that the U.S. government for decades has used educational policies to break up American Indian families and stifle American Indian cultures. As recently as the 1960s, many Indian children continued to be removed from reservations and sent to boarding schools where speaking a native language was forbidden. These schools, said Klar, were just one of many "forced assimilation" policies.

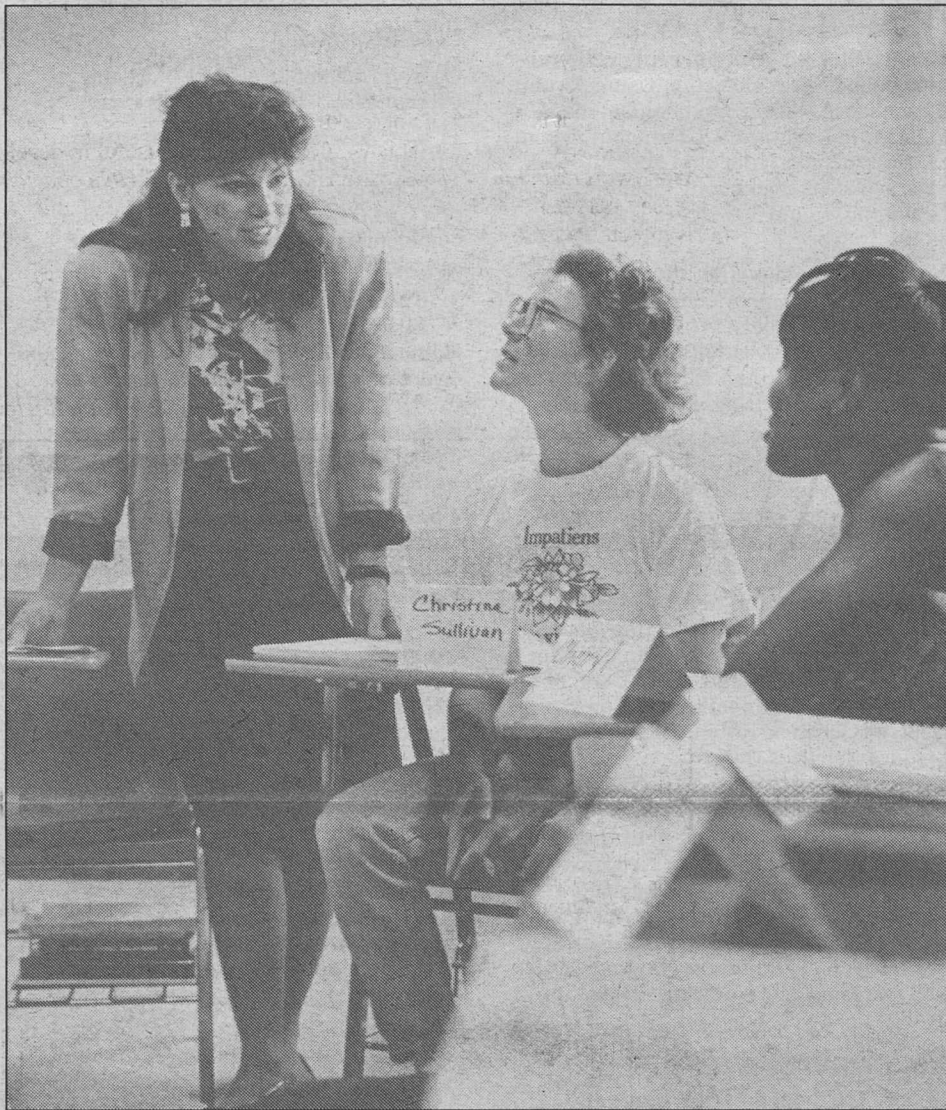
"There were laws and rules that said you can't have Pow Wows, can't have your dance, can't give things away, which is a large part of our culture, the sharing of possessions," Klar said. "They said if you do these things, we're going to take away your rations, take away your land."

While Klar always has been interested in preserving American Indian heritage, that struggle took on a new dimension this summer with the birth of her first child. In keeping with her husband's Jewish tradition, the boy was named Coby in honor of a deceased relative. "We want our son to be exposed to the best of both cultures," Klar said.

Klar points out that American Indians now number less than two million people — not even 1 percent of the U.S. population — and only 30 percent of those claiming American Indian heritage live on reservations. While many fear that American Indian culture is doomed, that its languages, rituals and traditions will soon fade away, Klar said there is hope that her American Indian heritage can be preserved.

"I see a lot of promise," Klar said. "A lot of people are re-embracing their Indian heritage and things are getting better. If we can directly address the alcoholism and suicide rates, the hopelessness and the alienation, if we can work with these problems and help Indians understand that it's OK to walk in both worlds, that there are bridges and that we have strength from both worlds, then I think we will all be a lot better off and I think we may be able to maintain our heritage."

— Gerry Everding



"I see a lot of promise. A lot of people are re-embracing their Indian heritage and things are getting better."

how, to give something back to the community. This was that opportunity for me."

The center owes its existence to the vision of Kathryn M. Buder, a former St. Louis stage actress who made a donation to start the center in 1989. Buder, now in her mid-80s, has wanted to help American Indians since reading Longfellow's narrative poem "The Song of Hiawatha" as a young girl. Her foundation continues to support the center and provides several Buder scholarships annually for American Indian students.

"Most of our scholarship students come from the reservations or from very rural communities," Klar said. "We look for a definite commitment to the Indian community and we require our students to work with Indians for at least two years following graduation."

Two of the center's most recent graduates work at the Omaha tribe's Macy (Neb.) Alcohol Counseling Clinic, and the Kanza Mental Health and Guidance Center in Hiawatha, Kan., for example.

While providing social work education to American Indians is its primary mission, Klar also considers it important for the center to help preserve American Indian heritage and to increase public understanding of American Indian issues.

"Over the last few years, the center has hosted or co-hosted numerous lecturers, workshops and other events that have given people sometimes their first glance at Indian culture," Klar said. "We're making some changes

Calendar

Jan. 20-29



Exhibitions

"Recent Acquisitions: Rare Books and Manuscripts." Through Jan. 28. Olin Library, Special Collections, level five. Hours: 8:30 a.m.-5 p.m. weekdays. 935-5490. Group tours will be offered in Special Collections on Jan. 20 and 21 at 12:10 p.m. 935-4045.

"The Near Distance: James McGarrell's St. Louis Years." Works by artist James McGarrell, prof. emeritus of art. Jan. 28 through March 27. Gallery of Art, upper gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. 935-5490.



Films

Wednesday, Jan. 19

7 and 9 p.m. Filmboard Foreign Series. "The Return of The Scarlet Pimpernel." (Also Jan. 20, same times.) Room 100 Brown Hall. Cost: \$3. **For 24-hour Filmboard hotline, call 935-5983.**

Friday, Jan. 21

7 and 9:30 p.m. Filmboard Feature Series. "Raiders of the Lost Ark." (Also Jan. 22, same times, and Jan. 23 at 7 p.m.) Room 100 Brown Hall. Cost: \$3.

Midnight. Filmboard Midnight Series. "Revenge of the Creature" in 3-D. (Also Jan. 22, same time, and Jan. 23 at 9:30 p.m.) 3-D glasses will be provided. Room 100 Brown Hall. Cost: \$3.

Tuesday, Jan. 25

7 p.m. Chinese Film Series. "Raise the Red Lantern," in Chinese with English subtitles. Room 219 Ridgley Hall. 935-5156.

Wednesday, Jan. 26

7 and 9 p.m. Filmboard Classic Series. "The Great St. Louis Bank Robbery." (Also Jan. 27, same times.) Room 100 Brown Hall. Cost: \$3.

Friday, Jan. 28

7 and 9:30 p.m. Filmboard Feature Series. "Menace II Society." (Also Jan. 29, same times.) Room 100 Brown Hall. Cost: \$3.

Midnight. Filmboard Midnight Series. "Brazil." (Also Jan. 29, same time.) Room 100 Brown Hall. Cost: \$3.



Lectures

Thursday, Jan. 20

Noon. Genetics seminar. "Doing Cell Fate in the Fly Eye," Ross Cagan, asst. prof., Dept. of Molecular Biology and Pharmacology. Room 816 McDonnell Medical Sciences Bldg. 362-6162.

Noon. Pediatrics research seminar. "Developmental Regulation of LPS Responsiveness," Robert Strunk, prof., Dept. of Pediatrics. Third Floor Aud., St. Louis Children's Hospital.

4 p.m. Biology and biomedical sciences student-organized seminar. "Plasticity of Developing Synapses and Molecular Mechanisms of Neurosecretion," Mu-Ming Poo, prof., Dept. of Biological Sciences,

Columbia U., New York. Erlanger Aud., McDonnell Medical Sciences Bldg. 362-3677.

4:15 p.m. Philosophy seminar. "Mapping and Modeling the Primate Cortex," David Van Essen, Edison Professor of Neurobiology and head, Dept. of Anatomy and Neurobiology. Alumni House living room. 935-6670.

7:30 p.m. Art lecture. Tom Nakashima, prof. of art and assoc. prof. of painting, Catholic U. of America, Washington, D.C. Steinberg Hall Aud. 935-6571.

Friday, Jan. 21

10 a.m. Electrical engineering colloquium. "Wind Shear Detection Using Airport Surveillance Radars: Optimal Doppler Estimation," Edward S. Chornoboy, technical staff member, Lincoln Laboratory, Massachusetts Institute of Technology, Lexington. Room 305 Bryan Hall. 935-4830.

Noon. Cell biology and physiology seminar. "Blocking Mechanisms in Cloned K⁺ Channels: What's New?" Anatoli Lopatin, Aha fellow in cell biology and physiology. Room 423 McDonnell Medical Sciences Bldg. 362-6950.

Noon. Cell biology and physiology seminar. "Regulation of CFTR Chloride Channel by Kinases and Phosphatases," Herbert Berger, Dept. of Internal Medicine, U. of Iowa, Iowa City. Room 423 McDonnell Medical Sciences Bldg.

4 p.m. Anatomy and neurobiology seminar. "Individual Genes Affecting Quantitative Characters: Murine Growth and Morphology," Jim Cheverud, prof., Dept. of Anatomy and Neurobiology and prof., Dept. of Genetics. Room 928 McDonnell Medical Sciences Bldg.

Saturday, Jan. 22

9 a.m. Saturday morning neural science seminar — Early Events in Neuronal Development. "Genetic Mechanisms Underlying Neuronal Determination," Nipam Patel, asst. prof., Carnegie Institute of Embryology, Baltimore. Erlanger Aud., McDonnell Medical Sciences Bldg. 362-7043.

Monday, Jan. 24

11 a.m. Civil engineering seminar. "Using Geologic Information on Contaminant Transport Prediction," Kay D. Thompson, graduate research fellow, Dept. of Civil and Environmental Engineering, Ralph M. Parsons Laboratory, Massachusetts Institute of Technology, Lexington. Room 216 Urbauer Hall. 935-6287.

4 p.m. Biology seminar. "How the Mammalian Brain Processes Species-specific Complex Sound," Nobuo Suga, prof., Dept. of Biology. Room 322 Rebstock Hall. 935-6287.

4 p.m. Immunology seminar. "Structure and Function of Peptides Associated With Human Class I MHC Molecules," Victor H. Engelhard, prof. of microbiology, Beirne Carter Center for Immunology Research, U. of Virginia, Charlottesville. Third Floor Aud., St. Louis Children's Hospital. 362-8748.

Tuesday, Jan. 25

12:10 p.m. Brown Bag Research Seminar. "Assessing Cosmetic Acceptance of Footwear by Patients With Transmetatarsal Amputation," Michael Strube, prof., Dept. of Psychology. Classroom C, Room B104 Boulevard Bldg. 286-1400.

4 p.m. Chemistry seminar. "New Bond Construction Strategies With Amino Acid Synthons," Mukund P. Sibi, prof. of chemistry, North Dakota State U., Fargo. Room 311 McMillen Lab. (Coffee: 3:40 p.m. outside Room 311.) 935-6530.

4 p.m. Earth and planetary sciences seminar. "Extracting Environmental Information From Tree Rings," Xiahong Feng, research fellow in geochemistry, Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena. Room 102 Wilson Hall. 935-5610.

5:05 p.m. Central Institute for the Deaf seminar series on progressive sensory loss. "Progressive/Fluctuating Hearing Loss Before and After Cochlear Implantation — Part II," Margo W. Skinner, asst. prof., Dept. of Otolaryngology, and Susan

M. Binzer, research asst., Dept. of Otolaryngology. Second Floor Aud., Clinics and Research Bldg. (Refreshments: 4:45 p.m.) 652-3200, ext. 671.

8 p.m. Sixth Annual George Mylonas Memorial Lecture. "Prehistoric Exploration of the World's Longest Cave," Patty Jo Watson, prof., Dept. of Anthropology. Sponsored by Dept. of Art History and Archaeology. Steinberg Hall Aud. 935-5270.

Wednesday, Jan. 26

7:30 a.m. Obstetrics and Gynecology Grand Rounds. "Tamoxifen: Special Considerations for Clinicians," Leon Speroff, prof., Dept. of Obstetrics and Gynecology, Oregon Health Sciences U., Portland. Clopton Aud., 4950 Children's Place.

11 a.m. Assembly Series Neureuther Library lecture. Joyce Carol Oates, author of 22 novels, including *Foxfire: Confessions of a Girl Gang*, will give a reading and commentary. Graham Chapel. Limited seating available. 935-5285.

3:30 p.m. East Asian Studies lecture. "Educational Reform in Japan: Diversity vs. Homogeneity," Merry White, prof. of sociology, Boston U. Sponsored by the Joint Center for East Asian Studies and U. of Missouri-St. Louis with partial funding through the U.S. Dept. of Education, Title VI. Room 30 January Hall. 935-5958.

4 p.m. Physics colloquium. "CEBAF: A Microscope for Nuclei," Franz Gross, prof., College of William and Mary, Williamsburg, Va. Room 204 Crow Hall. (Coffee: 3:30 p.m., Room 245 Compton Hall.) 935-6276.

4 p.m. Biochemistry and molecular biophysics seminar. "Crystal Structures of DNA Polymerase Clamps: Beta Subunit of *E. coli* POL III and Yeast PCNA," John Kuriyan, Laboratories of Molecular Biophysics, Rockefeller U., New York. Cori Aud., 4565 McKinley Ave. 362-0261.

Thursday, Jan. 27

Noon. Genetics seminar. "The Mitochondrial Eve Hypothesis and Evolutionary Genetic Re-analysis," Alan Templeton, prof., Dept. of Biology. Room 816 McDonnell Medical Sciences Bldg. 362-6162.

4 p.m. Chemistry seminar. "Colloid Science: A Unifying Interface Between Academia and Industry," Anthony J.I. Ward, director of research and development, Calgon-Vestal Laboratories, St. Louis. Room 311 McMillen Lab. (Coffee: 3:40 p.m. outside Room 311.) 935-6530.

Friday, Jan. 28

Noon. Cell biology and physiology seminar. "Regulating the Promiscuity of Proton Pumps," Stephen Gluck, assoc. prof. of medicine, Dept. of Internal Medicine. Room 423 McDonnell Medical Sciences Bldg.



Music

Friday, Jan. 21

8 p.m. Music faculty recital. "Diva Duo," a joint recital by sopranos Christine Armistead and Julia Emoed-Wallace. Performance includes "Flower Duet" from *Madama Butterfly* by G. Puccini, "Barcarole" from *The Tales of Hoffmann* by J. Offenbach, "Letter Duet" from the *Merry Wives of Windsor* by O. Nicolai and Octavian and Sophie's duet from Act II, "Der Rosenkavalier" by R. Strauss. Graham Chapel. 935-5581.

Sunday, Jan. 23

2 p.m. Music faculty recital. Performance features music of women composers, highlighting the works of Amy Beach, Maria Park, Clara Schumann and Emma Lou Diemer. Annette Burkhart, piano faculty member and teacher of applied music will play the piano. Beth Felice, applied music violin instructor will play the violin, and Elizabeth Macdonald, director of strings and visiting artist in music will play the cello. Steinberg Hall Aud. 935-5581.



Performances

Friday, Jan. 28

8 p.m. Dance Theatre annual concert. Concert features eight works by seven choreographers. Artistic direction by Mary-Jean Cowell, assoc. prof. of dance and dance program coordinator, and Christine O'Neal, artist in residence. (Also Jan. 29, same time, and Jan. 30 at 2 p.m.) Cost: \$7 for the general public; \$5 for senior citizens, WU faculty, staff and students. Edison Theatre. 935-6543.



Miscellany

Thursday, Jan. 20

7-9 p.m. University College Poetry Writing Workshop. Continues Thursdays through March 10. Instruction on imagery, diction, rhythm and form with Jennifer Atkinson, lecturer in English. Cost: \$180. For info. on credits and registration, call 935-6701.

Saturday, Jan. 22

10 a.m.-noon. University College Fiction Writing Workshop. Continues Saturdays through March 12. Explore the methods and techniques of writing fiction with Barbara Eldridge, lecturer in English. Cost: \$180. For info. on credits and registration, call 935-6701.

10 a.m.-noon. University College Non-Fiction Writing Workshop. "The Varieties of Non-Fiction." Continues Saturdays through March 12. Course is an introduction to three aspects of contemporary creative non-fiction: autobiography, travel writing and nature writing. Instruction by Rockwell Gray, adjunct faculty member, Dept. of English. Cost: \$180. For info. on credits and registration, call 935-6701.

10 a.m.-noon. University College Technical Writing Workshop. Continues Saturdays through March 12. Designed for those in a technical field, the class will cover questions of style, use of technical language and methods of organizing complex information with Mary Troy, adjunct faculty instructor, Dept. of English. Cost: \$180. For info. on credits and registration, call 935-6701.

Monday, Jan. 24

6:30-8:45 p.m. University College Travel Writing Workshop. Continues Mondays through March 7. Course covers various formats, styles and audiences for travel articles. Instruction by Kathleen Nelson, St. Louis Post-Dispatch travel editor. Cost: \$180. For info. on credits and registration, call 935-6701.

Calendar guidelines

Events sponsored by the University — its departments, schools, centers, organizations and its recognized student organizations — are published in the Calendar. All events are free and open to the public, unless otherwise noted.

Calendar submissions should state time, date, place, sponsor, title of event, name of speaker(s) and affiliation, and admission cost. Quality promotional photographs with descriptions are welcome. Send items to Judy Ruhland at Box 1070 (or via fax: 935-4259). Submission forms are available by calling 935-4926.

The deadline for all entries is noon Tuesday one week prior to publication. Late entries will not be printed. The Record is printed every Thursday during the school year, except holidays, and monthly during the summer. If you are uncertain about a deadline, holiday schedule, or any other information, please call 935-4926.

Spring Assembly Series continues with author Joyce Carol Oates

Fiction writer Joyce Carol Oates will give a reading with commentary for the Neureuther Library Lecture at 11 a.m. Wednesday, Jan. 26, in Graham Chapel. One of America's most versatile writers, she is author of 22 novels in several genres, including *Foxfire: Confessions of a Girl Gang*, published last fall. In addition to novels and short story collections, she also has published several volumes of poetry, plays, literary criticism and the book-length essay *On Boxing*.

The spring 1994 Assembly Series was scheduled to open at 11 a.m. Wednesday, Jan. 19, in Graham Chapel with a lecture by Nobel Laureate Douglass North, Ph.D., Henry R. Luce Professor of Law and Liberty. The series offers free lectures to the University community and the public. The lectures are planned and supported by Student Union, academic departments and other groups, as well as the Assembly Series Committee. Unless otherwise noted, all lectures are held at 11 a.m. in Graham Chapel.

The Cultural Celebration keynote speaker Feb. 2 is sociologist Samuel Betances. Known for building positive synergy through ethnic diversity, he will speak on "Harnessing the Rainbow." He has published extensively in areas related to diversity, social change, and gender and race relations, among others, and has consulted worldwide.

Clinical neuropsychologist Nancy Wexler will give the William C. Ferguson Memorial Lecture Feb. 9 on "Repeating the Past, Anticipating the Future: Huntington's Disease as a Model." Wexler, who has spent more than a decade probing Huntington's disease, received the Albert Lasker Public Service Award last October for her work that helped scientists find the gene that causes the disease.

James O. Freedman, president of Dartmouth College since 1987, will deliver the Tyrrell Williams Memorial Lecture Feb. 16 in the Mudd Law Building. His talk on "Thurgood Marshall: Man of Character" is scheduled in the Moot Courtroom. Freedman, a graduate of Harvard University and Yale Law School, served in the early 1960s as a law clerk to then Judge Thurgood Marshall.

Author/illustrator Maurice Sendak will give the Lock and Chain Lecture at noon Feb. 25 in Graham Chapel on "Really Rosie: From the Page to the Stage." Sendak adapted his books *The Sign on Rosie's Door* and *The Nutshell Library* for "Really Rosie," first an animated film for

television in 1975, then an off-Broadway musical in 1980 and now musical theatre, playing at Edison Theatre Feb. 25-27. Public seating for this lecture may be limited.

Bob and Rod Jackson-Paris will give the Sexual Awareness Week keynote March 2 on "Be True to Yourself." Bob, a superstar body-builder, and Rod, an international male model, have become outspoken proponents of gay and human rights since their marriage in 1989. Their joint autobiography, *Straight From the Heart*, is scheduled for release early this year.

Members of John Zorn's musical improvisational group Cobra will give a lecture/demonstration

on "The Art of Musical Improvisation" at 4 p.m. March 4 in Steinberg Hall Auditorium. The 12-piece ensemble Cobra, conceived by jazz saxophonist Zorn, has been successful in creating an entire genre of music based upon improvisation.

United Nations Population Fund Executive Director Nafis Sadik, a Pakistani physician, will give the U.N. Association/Mary T. Hall Seminar on Population and Development at 1:15 p.m. March 6 in The May Auditorium, Simon Hall. Sadik, secretary-general for the U.N. International Conference on Population and Development being held in Cairo in September, will speak on "An Agenda to Restrain Growth."

At 4 p.m. March 7, the population and development seminar will continue as Betsy Hartmann gives the Thomas Hall Lecture on "The Economics and Politics of Population" in Rebstock Hall, Room 215. Hartmann, director of the Population and Development Program at Hampshire College in Amherst, Mass., is author of *Reproductive Rights and Wrongs*.

Former Los Angeles mayoral candidate Michael Woo, who received 46 percent of the total votes cast in the 1993 race, will give the Asian Students Association Lecture March 9 on "Facing Up to Cultural Diversity." Woo, who served for eight years as a member of the Los Ange-

les City Council, became a fellow last September at The Institute of Politics at The Kennedy School of Government at Harvard University.

Poet and Yale Professor John Hollander, a 1990 MacArthur Foundation Fellow, will give a reading with commen-

tary on March 23 to celebrate 20 years of the Assembly Series Committee. Author of 16 volumes of poetry and six books of criticism, Hollander simultaneously published two volumes last summer: *Tesserae: And Other Poems* and *Selected Poetry*.

F. Sherwood Rowland, a world expert on ozone, will give the Arthur Holly Compton Memorial Lecture at 4 p.m. March 24. His talk, "Ozone

Depletion and the Greenhouse Effect," is scheduled in The May Auditorium, Simon Hall. Rowland, author of more than 300 scientific publications, co-discovered with Mario J. Molina that chlorofluorocarbon gases deplete the ozone layer of the stratosphere.

Richard Lewontin, Alexander Agassiz Professor of Zoology and professor of biology at Harvard University, will give the Phi Beta Kappa/Sigma Xi Lecture March 30. Lewontin, author of *The Genetic Basis of Evolutionary Change* and *Biology as Ideology: The Doctrine of DNA*, will speak on "The Fetishism of the Gene."

Exhibit explores architecture, photography

"The Architect and the Photograph" will be the subject of an exhibit Jan. 22-March 11 at the Center of Contemporary Arts (COCA), 524 Trinity Ave.

A slide lecture titled "Architects & Photography" will be presented at 4 p.m. Saturday, Jan. 22, by Balthazar Korab, an internationally known photographer of architecture. An opening reception will follow from 5 to 7 p.m.

Curated by Stephen Leet, affiliate assistant professor of architecture, the exhibit explores the relationship between

photography and modern architecture through the works of Jose Antonio Coderch, Charles Eames and Guiseppe Pagano.

"The Architect and the Photograph," which has traveled to New York City and Chicago, is supported by a grant from the Graham Foundation of Advanced Studies in the Fine Arts. Additional support is provided by the School of Architecture, the Italian Cultural Institute in Chicago and the National Institute for Architectural Education.

Gregory Nagy, the John and Penelope Biggs Resident in the Classics at Washington University, will deliver a public lecture at 4 p.m. March 31 in The May Auditorium, Simon Hall. Nagy, Francis Jones Professor of Classical Greek Literature and professor of comparative literature at Harvard University, will speak on "Sappho's Aphrodite and the Changing Woman of the Apache."

Writer and social critic Barbara Ehrenreich will give the CHIMES/Benjamin E. Youngdahl Lecture on Social Policy April 13 on "Shopping, Politics and the Meaning of Life: A Perspective on the American Consumer Culture." Her books include *The Worst Years of Our Lives: Irreverent Notes From a Decade of Greed*, a collection of essays on the trends, ideas, heroes and villains of the 1980s.

Anna Quindlen, a 1992 Pulitzer Prize-winning writer at The New York Times, will give the Adele Chomeau Starbird Memorial Lecture April 20 on "Thinking Out Loud." She won the Pulitzer for "Public and Private," her column covering a wide range of personal and political topics, the best of which are in her best seller *Thinking Out Loud*. Public seating for this lecture may be limited.

Other lectures in the series will be announced later. For more information, call 935-4620.

'Daring' modern dance company known for innovative partnering

Bill T. Jones/Arnie Zane Dance Company, considered one of "the most daring modern dance companies around," will make its St. Louis premiere at 8 p.m. Feb. 4 and 5 and 2 p.m. Feb. 6 in Edison Theatre. The company will perform a different program at the Feb. 6 event.

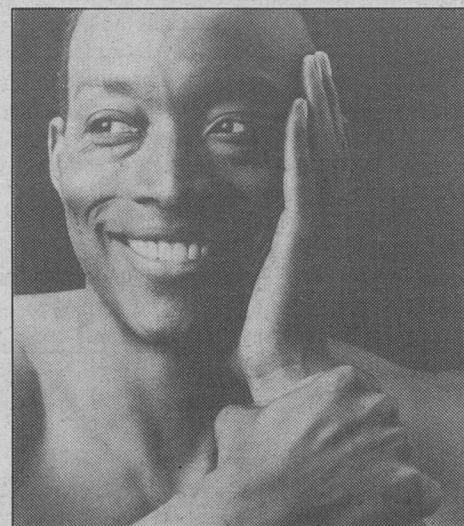
These performances, part of Edison's "OVATIONS!" series, are co-sponsored by Dance St. Louis. In addition, a one-hour performance for the "ovations! for young people" series will be held at 2 p.m. Feb. 5. Jones will comment during the event.

Jones and Zane met as students at the State University of New York at Binghamton, and began collaborating in 1971. Six years before Zane died of AIDS in 1988, they founded a company with a grant from the Jerome Foundation and the Robert Sterling Clark Foundation.

That same year their company emerged onto the international scene with the world premiere of "Intuitive Momentum," performed with legendary drummer Max Roach at the Brooklyn Academy of Music.

The 10-member company now is a leading contemporary dance ensemble recognized for its energy, generosity of spirit, innovative use of partnering and unexpected body juxtapositions. The dancers come from a variety of backgrounds — athletics and acting, as well as classical, modern and folk dance.

The St. Louis performance will include "Havoc," described as a robust and athletic piece that includes idiosyncratic movements born out of musical improvisation; "Last Night on Earth," a solo choreographed and performed by Jones and dedicated to the



Bill T. Jones

memory of Zane, artist Keith Haring and designer Willie Smith; "D-Man in the Waters," a full-company work that is an exhaustive exploration of water as metaphor; and "Soon," described by New York Newsday as "a sweet, hot and funny love duet."

In addition to creating more than 30 works for his own company, Jones has received many commissions from modern dance and ballet companies, including the Alvin Ailey American Dance Theatre, Boston Ballet and Berlin Opera Ballet. Jones has appeared twice in Public Broadcasting System's "Great Performances" series.

Tickets to the "OVATIONS!" events are \$20, with discounts for students and senior citizens. Tickets to the "ovations! for young people" event are \$8.

For more information, call 935-6543.

Sports

Men's Basketball

Last Week: Washington 56, Chicago 54; Washington 116, Aurora 87; Johns Hopkins 76, Washington 61

This Week: at New York University, Friday, Jan. 14, New York; at Brandeis University, Sunday, Jan. 16, Waltham, Mass.

Season Record: 7-4, 1-1 in UAA

After extending its winning streak to six games, the Bears had their bubble burst by a veteran Johns Hopkins squad with a 15-point loss on Jan. 9. Hopkins, with four starters back from last year's NCAA tournament team, was ranked fourth and sixth in a pair of Division III preseason polls. The loss spoiled a career-high 24-point performance from sophomore Brent Dalrymple, Des Peres, Mo.

Earlier in the week, the Red and Green returned from a 24-day layoff to earn a two-point win at Chicago on Jan. 4. Junior point guard Tim Spiker, Morgantown, W. Va., provided the heroics by draining a 21-footer with one second on the shot clock and 18 seconds in the game. Two nights later, the Bears exploded for a season-high 116 points to defeat nationally ranked Aurora. Sophomore center Kevin Folkl, St. Louis, finished with a career-best 28 points and 12 rebounds, scoring 14 in both halves.

Women's Basketball

Last Week: Washington 72, Chicago 64; Washington 69, Aurora 75; Washington 73, Johns Hopkins 50

This Week: at New York University, Friday, Jan. 14, New York; at Brandeis University, Sunday, Jan. 16, Waltham, Mass.

Season Record: 10-2, 2-0 in UAA

Returning from a three-and-a-half-week hiatus from the hardwood, the Bears rattled off three consecutive victories, including a pair of UAA wins. The Red and Green opened second-semester play with an eight-point win at Chicago, led by a 20-point output from All-America guard Sarah Goldman, Nashville, Tenn. Senior center Brooke Kenyon, Phoenix, matched her career-best with 17 points.

Two nights later, the Bears claimed a four-point win at regionally ranked Aurora. Washington built a comfortable 12-point cushion late in the game only to see the Spartans tie the game at 65 with three seconds remaining. On the subsequent inbound play, senior guard Stacy Leeds, Muskogee, Okla., alertly drew a charging foul and converted both her free throws. Leeds then stole Aurora's inbound pass and made two more free throws to end the night with 21 points. Leeds again provided the heroics in Washington's 23-point win over Johns Hopkins, scoring all 17 of her points in the first half.

Douglass North accepts Nobel Prize in Stockholm Dec. 10

In white tie and tails, Douglass C. North, Ph.D., Henry R. Luce Professor of Law and Liberty and professor of economics and history, accepted the Nobel Prize for Economic Science in Stockholm, Sweden, Dec. 10, the 98th anniversary of Alfred Nobel's death.

Nobel Laureates named in 1993 went to Stockholm in early December for several days of events in their honor. North is co-recipient of the prize in economic science with Robert Fogel of the University of Chicago. North has spent the past 50 years studying why some countries become rich while others remain poor.

"It was a fantasy week really," North said. "It was incredible. It was like being Cinderella."

Highlights of the week included having dinner with the king and queen of Sweden, meeting with Sweden's prime minister, speaking publicly with Fogel at several universities, and the banquet and ball in honor of the recipients, North said.

He traveled to Stockholm with 15 family members and friends, including his wife, Elisabeth Case, house editor at the Center for the History of Freedom at Washington University, and his three sons and their wives. Also accompanying North from Washington University was John Drobak, J.D., professor of law and economics.



Douglass C. North, Ph.D., the Henry R. Luce Professor of Law and Liberty, receives the Nobel Prize for Economic Science from King Carl Gustaf of Sweden.

While in Stockholm, North described his latest research in his Nobel lecture titled "Economic Performance Through Time." He was scheduled to give a similar lecture for the University's Assembly Series Jan. 19 in Graham Chapel.

"The objective of research in the field is not only to shed new light on the economic past, but also to contribute to economic theory by providing an analytical framework that will enable us to understand economic change," North said in his presentation.

North has studied how institutions — "the rules of the game" — evolve and how they affect the performance of economies through time. He is studying how people learn and make decisions even when they don't know what's going to happen next.

"Economic change is a ubiquitous, ongoing, incremental process that is a consequence of the choices individual actors and entrepreneurs of organizations are making every day," he said.

"History demonstrates that ideas, ideologies, myths, dogmas and prejudices matter; and an understanding of the way they evolve is necessary for further progress in developing a framework to understand societal change. The analytical framework we must build must originate in an understanding of how human learning takes place," North continued.

North came to Washington University in 1983 as the Henry R. Luce Professor of Law and Liberty after serving 33 years on the economics faculty at the University of Washington in Seattle. He served as director of the Center in Political Economy at Washington University from 1984 to 1990.

North's research continues. So do his classes. The 72-year-old economics professor said he has no plans to retire.

— Catherine Behan

University Management Team addresses fiscal challenges — from page 1

The University Management Team was formed in November 1992 to meet this challenge. In a process begun by Danforth and Robert L. Virgil, former executive vice chancellor for University Relations and dean of the John M. Olin School of Business, the management team has established for itself the following priorities: to improve Washington University for students; to improve the ability to attract students who are best for Washington University; to improve services to faculty and staff; to establish more linkages between the CFU and the academic units; to initiate process mapping; and, finally, to control costs. In the first year, the management team has begun to identify ways to streamline operations and to provide better services.

The process is now being led by Danforth and a steering committee, which meets on alternate Monday mornings.

To help foster collaboration across department lines and to better understand the needs of the students, faculty and staff, the management team has developed clusters composed of people from across the University. The University's three main clusters are the Admission-Financial Aid Cluster, the Student Experience Cluster and the Administrative Services Cluster.

The late John M. Olin, who was an entrepreneur, St. Louis philanthropist and Washington University benefactor, once said, "If you understand the problem rightly, the solution suggests itself." Keeping this in mind, each cluster is focusing on how different areas of the University work — with an eye toward how each area might be improved.

The clusters are meeting with focus groups of students, faculty and staff to hear their concerns and suggestions and better understand their perspectives.

Student Experience Cluster

The Student Experience Cluster, co-chaired by Shirley Baker, dean of University libraries, and Karen Levin Coburn, associate dean for student development, is seeking to improve the experience of current Washington University students. One outgrowth of this cluster is the new adviser program that helps commuter students feel more comfortable on campus.

"The challenges we faced were getting acquainted with the campus and faculty as easily as the on-campus students," said sophomore Della Abboud, a commuter student who serves as an adviser. The commuter adviser program includes a Commuter 101 orientation program, barbecue and social events for this year's 47 first-year commuter students. "It has been very helpful, very beneficial so far. Next semester it will get even better because we're planning new programs."

Students gave Gary Sparks, director of transportation, a standing ovation last year when he announced the start of expanded shuttle services. The expansion was a direct result of input from the focus groups con-

ducted by the Student Experience Cluster. Based on comments and criticisms from students, evening shuttles that once ran every hour and a half now run every half-hour and serve a broader area. Hours were expanded. Schedules and maps were redrawn. Routes now coincide with Metrolink. And, because the department cut costs by replacing a contracted shuttle service with an in-house shuttle, these improvements were made without an increase in the transportation department budget.

"That's what these clusters are all about," Sparks said. "They have been an excellent forum for people to get ideas out. We served 200,000 riders on the shuttle last year and only got a few phone calls, the usual complaints. I didn't have a feeling that there was a problem. Now I know there was and we have addressed it."

Admission-Financial Aid Cluster

The Admission-Financial Aid Cluster, chaired by Harold Wingood, dean of admission, and Dennis Martin, assistant provost and director of financial aid, aims to understand and coordinate the University's recruitment efforts. One initiative from the cluster, April Welcome, is an expanded student recruitment program designed to offer prospective students and their parents the opportunity to experience a typical spring day on campus. Last year, hundreds of prospective students from 45 states flocked to Washington University where they sat in on classes, spent the night in residence halls and toured the campus. Jane Schoenfeld, associate dean of admissions, attributes some of last year's 20 percent increase in acceptances to the April Welcome program.

Administrative Services Cluster

The Administrative Services Cluster is finding ways to serve the schools and their faculties by simplifying the University's administration, reducing transactions and

hierarchies, improving communication and empowering staff. One outgrowth of this cluster, which is co-chaired by Nicholas Burckel, associate dean of libraries for collections and services, and Marilyn Pollack, associate director of financial planning, is a new full-day orientation program for new employees. Another is improved response time from the Department of Facilities Planning and Management to staff and faculty requests. William Wiley, manager of maintenance operations, said this cluster has "opened the lines of communication" between his department and the faculty and staff.

"The clusters have certainly given us much more direct feedback from the faculty and staff," Wiley said. "We know areas we need to work on and have rearranged our priorities accordingly."

Process mapping

At the urging of the management team, several departments — Undergraduate Admission, Facilities Planning and Management, Human Resources and Publications — volunteered to participate in a program called "process mapping." The exercise uses detailed flow charts to help departments fully understand their processes and identify steps that can be streamlined and/or improved. In Publications, for example, the staff is taking a critical look at the time it takes for approved copy to reach the printer. This effort is being assisted by Dean H. Kropp, the Dan Broida Professor of Operations and Manufacturing Management at the John M. Olin School of Business.

"The idea of process mapping is to look at how you do something and see if there is a way to do it more efficiently," said Mary Ellen Benson, senior director of publications. "A system of checks and balances may have been put in place by an employee in the past. Sometimes those processes are no longer relevant. It is always helpful to look at what you are doing, especially if you can cut out time."

Concert highlights works by women composers

Works by women composers Amy Beach, Maria Park, Clara Schumann and Emma Lou Diemer will be the focus of a concert at 2 p.m. Sunday, Jan. 23, in Steinberg Hall auditorium.

Pianist Annette Burkhart, violinist Beth Felice and cellist Beth Macdonald, all members of the University's music faculty, will perform the works.

Beach (1867-1944) was the first widely recognized American woman composer, with more than 300 works to her name. She was named the "Dean of American Women Composers."

Park (1775-1822) was an English composer, pianist and singer, debuting on piano at the age of 10 and as a singer at 13. She composed at least 13 works.

Perhaps the best known of women com-

posers, Schumann (1819-1896) was admired in her day by other eminent pianists, Chopin, Liszt, Mendelssohn, Paganini and the man who became her husband, Robert Schumann. Her performing career spanned more than 60 years, which was one of the longest in the 19th century.

Diemer, born in 1927, is an American composer teaching and composing at the University of California at Santa Barbara. Diemer was educated at Yale and Eastman School of Music and studied in Brussels on a Fulbright. She has received more than 100 awards and commissions from various musical organizations.

The concert, which is free and open to the public, is sponsored by the Department of Music.

For more information, call 935-5581.

In-placement committee

Several newer groups have spun off the three original clusters, including the "in-placement" committee. This committee, formed in the expectation that from now on change will be a way of life, will develop ways to place employees whose work is no longer necessary into other positions at Washington University wherever possible.

"The process of simplifying and streamlining work in the CFU will at some point mean that fewer staff members are needed to provide certain services," said Sara Johnson, special assistant to the chancellor and chair of the in-placement committee. "At the same time, past experience tells us that we can expect to have about 150 nonacademic position openings on the Hilltop Campus alone each year due mostly to normal attrition."

"This creates opportunities to place valuable employees whose work has been eliminated elsewhere within Washington University. Our committee's goal is to develop strategies to make this 'in-placement' easier," Johnson said.

Future plans

Future plans call for more active participation by the schools to avoid service gaps, duplication and unnecessary work. The management team recognizes that it would be undesirable to save money in the CFU by shifting work — and therefore costs — to the schools, Danforth said.

"The management team has allowed a much larger number of people than in the past to participate in University administrative decisions," said Provost Edward S. Macias, Ph.D. "Our successes to date have shown clearly that this process works. I hope we can continue to find new ways to work together for many years to come."

— Susannah Webb

Editor's note: This is the first of several Record articles outlining the goals and achievements of the CFU's management team and various clusters.

Accreditation team visits campus, open meeting planned

Every 10 years, Washington University is evaluated for reaccreditation by the North Central Association of Colleges and Schools. A North Central Accreditation visiting team will be on campus Monday through Wednesday, Jan. 24-26.

The University community is invited to an informal open meeting with the nine team members who will make their recommendations to the North Central Association — with a special focus on undergraduate education. The meeting will be held from 9 to 10 a.m. Tuesday, Jan. 25, in the Women's Bldg. Lounge.

Alumna named Rhodes Scholar

Trina Williams, Ervin Scholar and 1992 graduate of the John M. Olin School of Business, recently was named a Rhodes Scholar and will study at Oxford University this fall.

"I've been blessed with tremendous opportunities all of my life," she said before leaving her home in Indiana after the holidays to return to Ecuador for the Peace Corps. "There have been lots of people motivating me. Good people. And my relationship with God has been important; I always try to keep centered spiritually."

Williams is the 17th Rhodes Scholar from Washington University. Rhodes Scholarships provide two years of study at the University of Oxford in England, including tuition and a stipend.

Williams, an Indiana native, came to Washington University on a full-tuition John B. Ervin Scholarship. She was selected from a field of more than 360 applicants nationwide.

The Ervin Scholarship attracts a "spectacular group of kids" each year, said Gary Hochberg, Ph.D., associate dean of the business school's undergraduate program. Williams stood out even among the program finalists, he said.

Finalists for the Ervin Scholarship spend a weekend on campus guided by current students. It was, in large measure, this weekend that ultimately led Williams to choose Washington University, she said.

"When I visited, I wasn't just courted by the administration. I felt like I was a part of campus life," she said. "It takes a lot of pride in the school to just put you in the hands of four or five students. That's admirable and a good way for students to see what the school is like."

As a student and active campus leader, she became a "legend," Hochberg said. All the while, Hochberg said, she earned excellent grades in difficult courses. Williams majored in business, primarily studying organizational behavior.

During her sophomore year, Williams and some friends incorporated the "Fun Center." Their goal was to help children who might be headed toward drug use or an otherwise dangerous lifestyle. In their senior year, they began center operations, working with one junior high and one elementary school in St. Louis.

By taking the children to Washington University and on other field trips, the college students taught them the importance of goal setting. Williams and the students also spent time with the children doing things like baking cookies.

Starting the Fun Center was typical of Williams, Hochberg said.

"It sticks in my mind about Trina that she always did something extra," he said. "There are lots of interesting things to participate in on campus. She saw a need that she thought would be better served by something different and went after it."

By her senior year, Williams began to think seriously about moving away from business and toward the field of education.

"I think (that way) I can reach more people," she said. "I think there are a lot of problems in the education system, a lot of problems with youth."

She was encouraged to apply for the Rhodes Scholarships immediately after graduation, but she said she wanted to be more certain about her goals and opted to spend two years in the Peace Corps.

In Ecuador, Williams helps people start their own small businesses and learn canning methods to add value to farm products. She also does additional volunteer work at a nearby women's prison, where she leads a Bible study group.

She was one of 32 Americans selected as a Rhodes Scholar after a rigorous application process including a series of interviews. Candidates are chosen for high academic achievement, integrity of character, a spirit of unselfishness, respect for others, potential for leadership and physical vigor.

—Catherine Behan

For The Record

For The Record contains news about a wide variety of faculty, student and staff scholarly and professional activities.

Of note

Laura L. Dugan, M.D., instructor in neurology and in medicine, was named the third recipient of the Alene and Meyer Kopolow Award for her work in geriatric neurology. Dugan received the award, which includes a \$3,000 honorarium, at a Jewish Hospital ceremony. The income from the Alene and Meyer Kopolow endowment is used to recognize exemplary achievement by residents or post-residency fellows in geriatric neurology or psychiatry. ...

John Edwards, M.D., Ph.D., assistant professor of medicine, received a \$350,000 five-year First Award from the National Institutes of Health for a project titled "Molecular Characterization of Chloride Channel Proteins." ...

Samuel E. Guyer, D.D.S., professor emeritus of restorative dentistry, received the 1993 Distinguished Alumnus Award from the Washington University Dental Alumni Association. Guyer graduated first in the 1952 class of the School of Dental Medicine. An anonymous committee of dental alumni selected him based on his many years of service to the school. ...

A book by **Joseph D. Ketner**, director of the Gallery of Art, has been selected as an Outstanding Academic Book for 1994 by Choice, an American Library Association publication. The magazine is one of the country's most widely used review publications for purchasing library materials. Choice editors and reviewers judged

Ketner's book, *The Emergence of the African-American Artist: Robert S. Duncanson, 1821-1872*, to be among the best new books in its subject. ...

Melvin J. Lerner, Ph.D., Stuckenberg Professor of Human Values and Moral Development, traveled to Munich, Germany, to receive the Max Planck Research Award. The annual award, given by the Alexander von Humboldt Foundation and Max Planck Society, recognizes project-oriented joint research and long-term partnerships between scholars at different institutions. Lerner has collaborated extensively with Leo Montada, co-recipient of the Max Planck award and professor at the Universität Trier in Germany. ...

John C. Morris, M.D., associate professor of neurology, received a \$30,000 grant from the Alzheimer's Association of Chicago to study an inherited form of an unusual disorder known as hereditary dysphasic dementia. Two large families have been identified nationally with this form of dementia, in which a prominent and early feature is language dysfunction. Morris will collaborate with **Alison Goate**, D.Phil., associate professor of genetics in psychiatry and associate professor in genetics. ...

During the American Academy of Physical Medicine and Rehabilitation's 55th annual assembly held in Miami Beach, Fla., **Franz U. Steinberg**, M.D., professor emeritus of clinical medicine, received the Recognition Award for Distinguished Clinicians. The award honors physiatrists who have achieved distinction through scholarly teaching and outstanding performance in patient care activities.

Speaking of

During the 87th annual Scientific Assembly of the Southern Medical Association held in New Orleans, **G. Pino Aliperti**, M.D., assistant professor of medicine, presented a paper on "Endoscopic Decompression of the Pancreatic Duct in Chronic Pancreatitis With Obstructive Features." He presented the paper before the Section on Gastroenterology. ...

Garland E. Allen, Ph.D., professor of biology, presented a seminar on "Progressivism and Eugenics: Charles B. Davenport and the Management of the Human Germ Plasm" to Oregon State University's History Department. He also was elected to the History of Science Society's governing council. ...

Rebecca Copeland, Ph.D., assistant professor of Japanese language and literature, and **Marvin Marcus**, Ph.D., associate professor of Japanese language and literature, presented papers at the Second Midwest Research/Pedagogy Seminar on Japanese Literature held at Purdue University in Lafayette, Ind. Copeland presented "'Confessions' of a Painted Face: Woman as Writer in the Personal Narratives of Tamura Toshiko and Uno Chiyo." Marcus' paper was titled "Coming to Terms With The Bundan."

Guidelines for submitting copy:

Send your full name, complete title, department, phone number and highest-earned degree, along with a typed description of your noteworthy activity to For The Record, c/o Carolyn Sanford, Campus Box 1070, or p72245cs@wuvmd.wustl.edu. Items must not exceed 75 words. For information, call Sanford at 935-5293.

Lewis looks forward to working with Peruvian colleagues — from page 1

vesting, biodiversity surveys and student training and infrastructure support for host-country institutions.

Intellectual property agreements have been negotiated among participating institutions so that economic benefits from these discoveries are equitably shared and accrue to local communities and indigenous peoples involved in the discovery of the natural product. Contributions from pharmaceutical companies include screening for therapeutic potential, training opportunities, equipment donations, financial support and a percentage of royalties from the sales of products developed from this program.

Countries involved in the ICBG initiative are Argentina, Cameroon, Chile, Costa Rica, Mexico, Nigeria, Peru and Suriname.

Lewis leads an ICBG that comprises the Museo de Historia Natural of Universidad Nacional Mayor de San Marcos and the Universidad Peruana Cayetano Heredia in Lima, Peru, and Monsanto/Searle Co. in St. Louis. His collaborator at Monsanto/Searle is natural products chemist David Corley, Ph.D., who also is adjunct professor of biology at Washington University.

Lewis' group proposes a multidisciplinary program combining conservation of biological diversity with sustained economic management of medicinal plants needed for the discovery and development

of pharmaceuticals to improve human health. Lewis and his group intend to determine the health status of people in the Andes Mountain region, learn what traditional medicines are being used to treat their illnesses and determine how these medicinal plants keep the Andean people healthy. The group will collect plants used medicinally in this region for generations and screen them for their activity against such illnesses as tuberculosis and maladies caused by respiratory viruses, herpes viruses and pathogenic yeasts. The group intends to identify and help grow viable medicinal plants for research development and ultimately for commercial use. Successful cultivation should illustrate the high monetary and ecological value of the Latin American forests and surrounding ecosystems. The group also hopes it will reduce deforestation, conserve biodiversity and prevent over-exploitation of medicinally valued plants.

The group also plans to characterize the whole range of species richness in the northeastern Andean slopes of Peru. This component of the program will be led by Gerardo Lamas, Ph.D., professor of zoology at the Museo de Historia Natural. A final objective is to assess the effectiveness and safety of plants that traditional medicine practitioners in Peru use for tumors, leishmaniasis (protozoan disease) and

diarrheal diseases. Abraham Vaisberg, Ph.D., M.D., professor of medical microbiology at the Universidad Peruana Cayetano Heredia, will lead this component.

Ethnobotanists Lewis and his wife, Memory Elvin-Lewis, Ph.D., professor of microbiology in biomedical science, have worked with the Jivaro Indians in the Peru rain forest since 1982. The Lewises have collected more than 5,000 plants from the Jivaro-inhabited areas and are testing some for possible uses in combating diseases ranging from hepatitis to AIDS. They've also analyzed the effectiveness of various plants the Jivaro use as contraceptives and wound-healers.

"We're absolutely delighted to be awarded the grant, and eagerly look forward to the coming work ahead with our colleagues in St. Louis and Peru," said Lewis. "Our ultimate goal is to develop drugs from our findings while leaving the ecology of the rain forest intact and maintaining excellent working and cultural relations with the indigenous and rural peoples."

In addition to Lewis, researchers at the University of Arizona, Cornell University, Virginia Polytechnic Institute and State University, and Walter Reed Hospital, will lead the five projects awarded.

—Tony Fitzpatrick

Obituaries

William D. Phillips, Ph.D., former chemistry department chair, Charles Allen Thomas Professor of Chemistry and professor of biological chemistry at the School of Medicine, died from cancer on Dec. 15, 1993, at his University City home. He was 68.

Phillips came to Washington University in 1978. He was director of the University's Center for Biotechnology for two years. He was an adjunct professor of chemistry after leaving the University in 1984. From 1984 to 1987, he was senior vice president, science and technology, at Mallinckrodt Inc. in St.



William D. Phillips

Louis. In addition he was a science adviser to Missouri governors and to President George Bush.

Among his survivors are his wife, Esther "Cherry" Parker Phillips; a daughter, Katherine Daniels of Kirkwood; a son, Edward D. Phillips of Virginia Beach, Va.; his father, Elmer E. Phillips of Kansas City, Mo.; a sister, Jean Osier of Kansas City, Mo.; and two grandchildren.

The Department of Chemistry is planning a memorial service to be held on the Hilltop Campus. For date and location, call 935-6530.

Joseph C. Edwards, M.D., associate professor emeritus of clinical medicine, died Jan. 9, 1994, from heart failure at his University City home. His Washington University service began in 1938 as assistant professor of clinical medicine. He retired in 1978.

Female faculty invited to submit proposals on women's issues

The Higher Education Center (HEC) of St. Louis is seeking proposals for a \$500 research grant focusing on women's issues in higher education. Female faculty and professional staff of HEC's member institutions, which include Washington University, are invited to apply. The deadline is Feb. 15.

Applicants should submit proposals to the president, Women's Program Council, Higher Education Center of St. Louis, 8420 Delmar Blvd., Suite 504, University City, Mo., 63124. The grant recipient will be announced at the Women's Program Council's spring conference.

For more information, call Marilyn Ryan, associate director of the University's Career Center and former council president, at 935-5936.

Opportunities & personnel news

Hilltop Campus

The following is a list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of Human Resources, Room 126 North Brookings Hall, or by calling 935-5990. Note: All positions require three letters of recommendation.

Programmer Analyst II

940108. *Computing and Communications*. Requirements: Bachelor's degree; good language and people skills; ability to work with minimal supervision; ability to learn quickly and adapt to new circumstances; experience with use and management of desktop computers; knowledge of desktop data base technology in a client/server environment highly desired; familiarity with DOS, Macintosh systems; knowledge of Novell, Appletalk, Windows and TCP/IP networking highly desired. Resume required.

Administrator, Center for Mental Health Services Research

940136. *School of Social Work*. Requirements: Master's of social work or related master's degree; knowledge of mental health services; excellent written and verbal communication skills; administrative competence; experience in grant writing; knowledge of the research process; two years professional experience, preferably in a management capacity in mental health. Resume required.

Counselor

940142. *Student Educational Service*. Requirements: Master's degree; experience in secondary, post-secondary or higher education preferred; knowledge of physiological testing; familiarity/experience with the problems of academically high-risk and disadvantaged students; familiarity with the problems of disabled students. Resume required.

Switchboard Operator, Part-time

940143. *Telephone Services*. Requirements: High school graduate; typing 25 wpm with accuracy; must be able to work with minimum supervision; must always be polite and courteous to callers. Clerical tests required.

Technical Service Specialist, Temporary

940146. *Campus Stores*. Requirements: High school graduate; capable of providing technical support and sales consultation for computer hardware, software and peripheral sales to University departments; capable of installing systems and software, maintaining and servicing equipment; inventory control of service areas and sales; able to support a broad array of equipment. Resume required.

Library Services Assistant, Part-time

940148. *Law Library*. Requirements: Some college, bachelor's degree preferred; typing 40 wpm with accuracy; library technical service experience, law library technical experience preferred; library updating experience (loose leafs, pocket parts, etc.); experience with computers; detail oriented. Clerical tests required.

Mail Clerk

940149. *Accounting Services*. Requirements: Some college preferred; ability to learn University procedures; some skill in using office equipment; legible handwriting. Clerical tests required.

Publications Assistant, Temporary

940150. *Undergraduate Admission*. Requirements: Bachelor's degree; excellent communication skills and a strong command of English; exemplary knowledge of grammar is essential, as is a good eye for detail; previous experience with publications, graphic design, and/or typesetting is preferred; and strong organizational skills. Position will not exceed six months. Resume required.

Courier

940151. *Correspondence Center*. Requirements: Some college; minimum score of average on clerical tests; excellent attendance

and reliability record; good health; majority of time is spent outdoors lifting and carrying medium-to-heavy-weight boxes and other materials; previous exposure to operations and materials related to computer input/output preferred; experience with computer terminal device preferred; attention to detail; must have own vehicle or use University shuttle service. Clerical tests required.

Researcher

940152. *Development Services*. Requirements: Bachelor's degree; typing 35 wpm with accuracy; liberal arts background preferred; strong research and writing skills. Clerical tests and resume required.

Driver/Warehouse Worker

940153. *Central Stores*. Requirements: High school graduate; hiring contingent on ability to obtain chauffeur's license; perform daily deliveries of stock and non-stock to all Hilltop and Medical campus locations; assist in all phases of warehouse operations, including but not limited to receiving, shipping, assembly and repair of stock and non-stock items. Clerical tests required.

SIS Systems Assistant

940154. *University Registrar*. Requirements: Some college, bachelor's degree preferred; understand and maintain system files within the student information data base pertaining to classes, titles, registration and grade processing operations. Clerical tests required.

Administration Assistant

940156. *Music*. Requirements: In-depth knowledge of University's accounting policies and procedures; four year college degree with emphasis in accounting or equivalent work experience; typing 30 wpm with accuracy. Clerical tests required.

Lab Assistant

940158. *Biology*. Requirements: High school graduate; must be hard working and eager to learn. Will train in all relevant procedures. Resume required.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Employees who are interested in submitting a transfer request should contact the Human Resources Department of the medical school at 362-4920 to request an application. External candidates may call 362-7195 for information regarding application procedures or may submit a resume to the Human Resources office located at 4480 Clayton Ave., Campus Box 8002, St. Louis, Mo. 63110. Please note that the medical school does not disclose salary information for vacancies, and the office strongly discourages inquiries to departments other than Human Resources.

Social Worker MSW

940428-R. *Psychiatry*. Schedule: Part-time, 20 hours per week. Requirements: Master's of social work, ACSW, licensed clinical social worker. Will be doing assessments and intervention in family therapy. Must have ability to identify the critical unit to work within therapy.

Secretary II

940458-R. *Radiology*. Requirements: High school graduate or equivalent, two years related experience preferred; excellent spelling and grammar skills; familiarity with dictaphone; typing 50 wpm.

Supervisor, Medical Records

940491-R. *Internal Medicine*. Requirements: Associate's degree with two to five years experience in an ambulatory setting; supervisory experience; good communication skills.

Secretary II

940492-R. *Lipid Research*. Schedule: Part-time, 27 hours per week, Mondays-Fridays. Requirements: High school graduate or equivalent, post-high school secretarial training highly preferred; typing 50 wpm;

experience in FIS system and word processing, preferably WordPerfect.

Data Control Coordinator

940495-R. *Surgery*. Requirements: High school graduate or equivalent, some college helpful; excellent communication skills; data entry experience; must have training in drawing blood.

Patient Account Coordinator

940503-R. *Finance Office*. Requirements: Some college preferred, bachelor of science in nursing or bachelor of arts degree strongly preferred; knowledge of medical and legal terminology a plus; thorough knowledge of insurance regulations.

Medical Research Technician

940504-R. *Applied Physiology*. Schedule: Part-time, 20 hours per week. Requirements: Bachelor's degree; experience performing lipid assays; experience in gas

chromatography and mass spectrometry preferred.

Medical Research Technologist

940508-R. *Pathology*. Requirements: Bachelor's degree in related field with one to two years medical research lab experience; strengths in biochemistry, immunology or molecular biology; good interpersonal skills.

Medical Research Technologist

940524-R. *Anatomy and Neurobiology*. Requirements: Bachelor's degree with course work in anatomy and/or physiology; two years scientific experience; neuroanatomy, histology, cell biology and/or physiology background; ability to work with computers.

Medical Research Technologist

940525-R. *Genetics*. Requirements: Bachelor's degree with one year experience with HPLC, DNA synthesis or protein purification; chemical or biochemical knowledge.

University applauds employees' service

The Washington University community was busy during the holiday season spreading good cheer.

Employees contributed \$1,055 to the 100 Neediest Cases fund-raising campaign. This holiday season campaign for needy St. Louisans was sponsored by the St. Louis Post-Dispatch and United Way. Contributors were: Campus Police, Office of Financial Aid, Office of Public Affairs, Health Service, Campus Post Office, Development Service, Facilities Planning and Management, School of Business, Office of Human Resources and the Office of the Dean of the Faculty of Arts and Sciences.

In addition, people in the International Office, Office of Student Affairs, Department of Athletics, Office of Residential Life, Office of Student Activities, Scheduling Office, Office of Career Services, Student Counseling Service, Student Educational Service and the Housing Office adopted three families from the 10,000 cases available. The Post-Dispatch prints 100 of the most desperate cases, but some 10,000 families in the area were in need.

The employees bought specific items for their adopted families. All of the wrapped

presents were collected and delivered to the Edgewood Children's Center at 330 N. Gore Ave. Social workers distributed the gifts to appropriate recipients.

Residents living in Lee, Beaumont, Shanedling, Dauten and Rutledge halls collected non-perishable food items and money for the Love & Care Youth Center, 3137 S. Jefferson Ave.

The Olin Library staff collected and delivered toys to the Salvation Army for distribution and collected non-perishable food items for delivery to an area food bank.

Employees within the Office of Admission sponsored two families who were flooded out of their homes this summer. Home furnishings, clothing and gift certificates for food were donated to each family.

The staff also supported the Pride for Parents project in Meacham Park and donated items to be sold to needy families in a "Christmas Store" at a 90 percent discount. All proceeds from the store will go toward sending children from Meacham to a summer sports camp called "Kids Across America" in Golden, Mo.

New facility eases library overcrowding — from page 1

Most of the materials that will fill the shelves of the West Campus Library will be the more valuable and lesser-used items from the University's extensive collection. Eventually, the new facility will house most of the collection's books that were printed before 1801 but are not part of the University's special collection. Straight said he expects people conducting research, primarily professors and students working on master's or doctoral degrees, to frequent the new facility. In addition to books, journals and dissertations, the new library holds sheet music, topographical maps, some of the University archives, oversized atlases and beautifully illustrated art books, among other unique items.

The moving process has been a model of organization. In the course of several months, thousands of books have been pulled from hundreds of shelves in more than a dozen buildings and replaced — in order — on the empty shelves of the new facility by movers with the Cord Moving and Storage, a franchise of North American Van Lines, who were unfamiliar with library processes. Thanks to a matching shelving system, Straight said he is able to keep track of each item throughout the entire process.

"Every book is available on the shelf in its home library until the day of the move and is on the shelf the day after," Straight said. "The movers have been very good. They misplaced less than one percent of thousands of shelves."

The West Campus Library is adjacent to the International Writers Center, which includes the staff offices of Director William Gass, Ph.D., the David May Distinguished University Professor in the Hu-

manities, and space for visiting writers. The conference facility, which contains a meeting room with a seating capacity of 200, a small lounge and a kitchenette, is ready for use. Scheduling is handled by the West Campus Library staff.

"The West Campus Library Conference Center fills a critical need for a meeting space with plentiful parking," Baker said. "Having hosted the Libraries' National Council meeting there, I know the center works well."

People who need a book or other item from the West Campus Library but don't want to leave the Hilltop Campus can identify the material through the on-line catalogue and request retrieval at the circulation desks in any of the following Hilltop libraries: Art & Architecture, Biology, Business, Chemistry, Earth & Planetary Sciences, East Asian, Mathematics, Music, Olin, Physics and Social Work. If the request is received by the West Campus Library staff before 4 p.m., the item will be sent to the designated library by the next afternoon. If the library has access to a fax machine, turnaround time for articles can be even faster. To contact the West Campus Library by phone, call 935-9888 or 935-9889; to send a fax, dial 935-9890; to reach by e-mail, send to westcamp@wulibs.

The West Campus Library is open from 11 a.m. to 5 p.m. Monday through Friday.

The library will receive tens of thousands of new items a year to accommodate the University's growing collection. Straight says he's ready.

"This has been fun," he said, "and we're only halfway back into the building."

— Susannah Webb